

**PATENT COOPERATION TREATY**

To:

HAW Yong Nok  
8tzh Fl. Songchon Bldg., 642-15,  
Yeoksam-dong, kangnam-ku  
135-080 Seoul  
Republic of Korea

**PCT**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

Date of mailing (day/month/year)	22 February 2006 (22.02.2006)
-------------------------------------	-------------------------------

Applicant's or agent's file reference <b>05FLWW130PC1</b>		FOR FURTHER ACTION See paragraph 2 below	
International application No. <b>PCT/KR 2005/004010</b>	International filing date (day/month/year) <b>26 November 2005 (26.11.2005)</b>	Priority Date (day/month/year) <b>7 December 2004 (07.12.2004)</b>	
International Patent Classification (IPC) or both national classification and IPC <b>A47L 15/42 (2006.01)</b>			
Applicant	<b>LG ELECTRONICS INC.</b>		

**1. This opinion contains indications relating to the following items:**

<input checked="" type="checkbox"/> Cont. No. I	Basis of the opinion
<input type="checkbox"/> Cont. No. II	Priority
<input type="checkbox"/> Cont. No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Cont. No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Cont. No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/> Cont. No. VI	Certain documents cited
<input type="checkbox"/> Cont. No. VII	Certain defects in the international application
<input type="checkbox"/> Cont. No. VIII	Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA/ AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 Vienna  
Facsimile No. +43 / 1 / 534 24 / 535

Authorized officer

**BABUREK G.**

Telephone No. +43 / 1 / 534 24 / 352

**Continuation No. I**

**Basis of the opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed.

**Continuation No. V**

**Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims 5, 6, 9-13, 15, 16, 19, 20	YES
	Claims 1-4, 7, 8, 14, 17, 18	NO
Inventive step (IS)	Claims 5, 6, 11-13, 15, 16, 20	YES
	Claims 1-4, 7-10, 14, 17-19	NO
Industrial applicability (IA)	Claims 1-20	YES
	Claims ---	NO

**2. Citations and explanations:**

The following documents have been cited in the Search Report:

D1: US2004/0173245 A1 (ELICK ET AL.) 2004.09.09

D2: US5450868 A (YOUNG) 1995.09.19

D3: US6182674 B1 (JOZWIAK ET AL.) 2001.02.06

Documents D1 and D3 disclose a sump of a dishwasher comprising a sump case, a sump cover, a sump cover covering the sump case, a self-cleaning filter, a washing pump, a pump lower receiving providing a soil chamber, a washing motor, a drain pump and a drain motor, according to the characteristic features of claim 1 and 14.

Also a fluid passage guide, a disposer and a screen filter, according to claims 2-4 are disclosed in documents D1 and D3.

Therefore the subject matter of claims 1-4 and 14 is not novel with respect to each one of the documents D1 and D3, and does not involve an inventive step according to each one of these documents.

Document D1 also discloses a turbidity sensor and a heater, according to claims 7 and 8.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/KR 2005/004010

Therefore the subject matter of claims 7 and 8 is not novel with respect to document D1 and does not involve an inventive step according to this document.

As document D1 also shows a turbidity sensor and an impeller connected to the washing motor, according to claims 17 and 18, also the subject matter of claims 17 and 18 is not novel with respect to document D1 and does not involve an inventive step.

Document D2 discloses a sump of a dishwasher comprising a sump case, a sump cover, a sump cover covering the sump case, a self-cleaning filter, a washing pump, and a sealing assembly, according to the characteristic features of claims 9, 10 and 19. Therefore in a combination of document D3 with either document D1 or D2 results that the subject matter of claims 9, 10 and 19 is novel but not inventive in comparison to the state of the art documents.

Consequently the subject matter of claims 5, 6 and 11-13, 15, 16 and 20 is novel with respect to any of the state of the art documents and involves an inventive step according to each one of these documents.

Industrial applicability is given.